

Claims

1. Method for determining the fuel consumption in a motor vehicle with an internal combustion engine and a generator which is driven by the internal combustion engine, characterized in that the additional fuel consumption is determined which is produced by an electrical consumer that is connected to the generator, at least one current value of the generator mechanical power input being taken into account for determining the fuel consumption.
2. The process as claimed in claim 1, wherein the process comprises the determination of the electrical power input of the generator at different times.
3. The process as claimed in claim 1 or 2, wherein the electrical power input is determined at a first instant and a second instant following it in time, the first instant being located in the region of the time at which the electrical consumer is connected, especially briefly prior to its being supplied with current.
4. The process as claimed in one of claims 1 to 3, wherein the electrical power input is determined by means of a generator model.
5. The process as claimed in one of claims 1 to 4, wherein the electrical power input is determined by means of values from the characteristic fields.
6. The process as claimed in one of claims 1 to 5, wherein mechanical and electrical losses are taken into account when the value is being determined for the mechanical power input on the generator.

7. The process as claimed in one of claims 1 to 6, wherein for the generator model the input quantities are at least the engine speed, the ambient temperature, the transmission ratio, the voltage of the vehicle electrical system and the excitation current of the generator.
8. Process for display of the fuel consumption, wherein the additional fuel consumption which is caused by an electrical consumer on the vehicle is displayed separately.
9. Display process as claimed in claim 8, wherein the additional fuel consumption is displayed together with the indication of the electrical consumer causing the fuel consumption.
10. Display process as claimed in one of claims 8 or 9, wherein the value of the additional consumption is determined using the process as claimed in one of claims 1 to 7 and this value is supplied to a display device.